
INFORMATION TECHNOLOGY INVESTMENTS

22. PROGRAM PERFORMANCE BENEFITS FROM MAJOR INFORMATION TECHNOLOGY INVESTMENTS

Table 22–1. IT Performance Table

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Agriculture: Common Computing Environment	90	50	90	Farm and Foreign Agricultural Service, Rural Development, and Natural Resources and Environment	Allows “one-stop service” for farmers at local Department offices.
<i>Development, Modernization and Enhancement</i> ²	<i>90</i>	<i>50</i>	<i>90</i>		
<i>Steady State</i> ³	<i>0</i>	<i>0</i>	<i>0</i>		
Agriculture: Field Automation and Information Management	7.8	11.9	12.1	Food Safety	Ensures that the nations food supply of meat, poultry and egg products is safe, wholesome, and correctly labeled and packaged.
<i>Development, Modernization and Enhancement</i>	<i>7.8</i>	<i>11.9</i>	<i>12.1</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Agriculture: Integrated System Acquisition Project	10.4	6.1	8.6	Marketing and Regulatory Programs	Facilitates the development of safe and effective veterinary biologics, biotechnology-derived products, and other scientific methods for the benefit of agricultural producers and consumers and to protect the health of American agriculture.
<i>Development, Modernization and Enhancement</i>	<i>10.4</i>	<i>6.1</i>	<i>8.6</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Agriculture: Forest Service Infrastructure Modernization	113.6	100.1	101.9	Natural Resources and the Environment	Ensuring an efficient and effective infrastructure that supports public and administrative uses of national forest system lands.
<i>Development, Modernization and Enhancement</i>	<i>65.3</i>	<i>67.7</i>	<i>30.6</i>		
<i>Steady State</i>	<i>48.3</i>	<i>32.4</i>	<i>71.3</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Commerce: Advanced Weather Interactive Processing System	112	85	61	Strengthen and safeguard the nation's economic infrastructure	Improve the speed and accuracy of weather warnings and forecasts and reduce the number of National Weather Service offices from over 300 to 121.
<i>Development, Modernization and Enhancement</i>	<i>107</i>	<i>73</i>	<i>23</i>		
<i>Steady State</i>	<i>5</i>	<i>12</i>	<i>38</i>		
Commerce: Census 2000	148	148	280	Economic Infrastructure and Science, Technology, and Information	Reduces errors, the number of temporary employees needed, and publication costs.
<i>Development, Modernization and Enhancement</i>	<i>148</i>	<i>148</i>	<i>280</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Defense: Defense Message System	89.1	110.9	111.7	Supports the warfighter.	Provides timely, reliable, accountable, and secure messaging and electronic mail directory services to tactical, organizational, and individual users.
<i>Development, Modernization and Enhancement</i>	<i>89.1</i>	<i>110.9</i>	<i>111.7</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Defense: Composite Health Care System II	0.3	0.3	0.3	Maintain combat readiness while seeking efficiencies and improved operating procedures.	Provides for integration and communication of critical medical information to deliver health care for the service members, retirees, and family members. Includes patient care management, computer based patient records, as well as other health and administrative requirements.
<i>Development, Modernization and Enhancement</i>	<i>.3</i>	<i>.3</i>	<i>.3</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Defense: Global Command and Control System	86.7	119.1	122.6	Supports the warfighter.	Significantly improves the ability to manage and execute crisis and contingency operations. Provides a fused, real-time, true picture of the battlespace and delivers information when, where, and how it is needed.
<i>Development, Modernization and Enhancement</i>	<i>86.7</i>	<i>119.1</i>	<i>122.6</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Education: Direct Student Lending	168	225.1	297.3	Access to Higher Education	Supports loan origination and servicing of a portfolio that will grow to almost \$60 billion in FY 2000.
<i>Development, Modernization and Enhancement</i>	<i>7.8</i>	<i>18.3</i>	<i>9.5</i>		
<i>Steady State</i>	<i>160.2</i>	<i>206.8</i>	<i>287.8</i>		
Education: National Student Loan Data System	25.8	39.9	53	Access to Higher Education	Improves the Government's collection of defaulted loans and integrity of participating institutions.
<i>Development, Modernization and Enhancement</i>	<i>6.4</i>	<i>5.9</i>	<i>4.7</i>		
<i>Steady State</i>	<i>19.4</i>	<i>34.0</i>	<i>48.3</i>		
Education: PELL Grant Systems	5.5	9.9	8.4	Access to Higher Education	Distributes grant funds to institutions and supports sound financial management.
<i>Development, Modernization and Enhancement</i>	<i>1.0</i>	<i>1.3</i>	<i>1.2</i>		
<i>Steady State</i>	<i>4.5</i>	<i>8.6</i>	<i>7.2</i>		
Education: Federal Family Education Loan Data System	15	22.1	27.3	Access to Higher Education	Improves the Government's collection of defaulted loans.
<i>Development, Modernization and Enhancement</i>	<i>2.6</i>	<i>7.2</i>	<i>12.9</i>		
<i>Steady State</i>	<i>12.4</i>	<i>14.9</i>	<i>14.4</i>		
Education: Student Aid Application System	59	64.3	71.9	Access to Higher Education	Assists institutions and students by providing a standardized way to determine financial aid eligibility.
<i>Development, Modernization and Enhancement</i>	<i>7.9</i>	<i>9.3</i>	<i>15.0</i>		
<i>Steady State</i>	<i>51.1</i>	<i>55.0</i>	<i>56.9</i>		
Education: Constituent Communications	29.2	33.8	43.1	Access to Higher Education	Facilitates transfer of information, program data, and funds transfers between the Department and parents, students and institutions.
<i>Development, Modernization and Enhancement</i>	<i>4.1</i>	<i>4.3</i>	<i>5.9</i>		
<i>Steady State</i>	<i>25.1</i>	<i>29.5</i>	<i>37.2</i>		
Education: Savings from Student Aid Delivery Modernization	–9.8	–20.6	–48.4	Access to Higher Education	Reflects net savings realized from investments across all student aid systems.

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Energy: Business Management Information System	1	3	16	Financial Management	This system will provide capabilities for enhanced data sharing, validity, and availability to meet the financial and business information needs for the Department's business areas.
<i>Development, Modernization and Enhancement</i>	1	3	16		
<i>Steady State</i>	0	0	0		
Energy: Replacement Telecommunication System	33	31	28	Infrastructure	This system provides hardware infrastructure to support site electronic communications requirements.
<i>Development, Modernization and Enhancement</i>	0	0	0		
<i>Steady State</i>	33	31	28		
Health and Human Services: FDA—Electronic Regulatory Submission and Review Program Level ⁴	24.9	33.0	33.1	Pre-Market Drug Approval (Prescription Drug User Fee)	Develops and updates IT infrastructure to allow, by FY 2002, the paperless receipt and processing of Investigational new Drugs and New Drug Applications/Biologic License Applications.
Health and Human Services: NIH/National Library of Medicine Medline	2.5	3.3	3.6	Improve Access to Medical Information	Improves and delivers 24 hour public access to medical information, and assists researchers and health care professionals in locating up-to-date worldwide health information. By making Medline available via the Internet, the cost to users of performing a search has decreased from \$3.00 per search to less than a penny.
<i>Development, Modernization and Enhancement</i>	.9	1.5	1.6		
<i>Steady State</i>	1.6	1.8	2.0		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Health and Human Services: Federal Parent Locator Service (FPLS), including the National Directory of New Hires (NDNH) and the Federal Case Registry (FCR)	29	28.9	30.6	Expanded FPLS supports the agency mission of promoting parental responsibility by meeting Federal obligations under welfare reform.	Assists States in locating non-custodial parents in interstate child support cases by matching new hire, quarterly wage, and unemployment insurance claim records contained in the NDNH with child support case/order information contained in the FCR. This system is expected to increase child support collections by billions of dollars over the next ten years. Already, the expanded FPLS has returned location information to the States on 1.2 million non-custodial parents in interstate cases.
<i>Development, Modernization and Enhancement</i>	<i>25.1</i>	<i>21.2</i>	<i>19.8</i>		
<i>Steady State</i>	<i>3.9</i>	<i>7.7</i>	<i>10.8</i>		
Housing and Urban Development: Financial Management Support	57.3	22.2	29.7	Improve program integrity	Provides for further financial system integration and improved data quality and standardization of data and work processes.
Housing and Urban Development: Non-Financial HUD 2020 Initiatives	20.8	2.9	17.1	Improve program integrity	Provides for system design and development to establish the Enforcement Center, Real Estate Assessment Center, and other HUD Reform initiatives.
Housing and Urban Development: Other Key Information Projects	58.4	20.5	23.3	Improve customer service	Improve customer service by using the internet and electronic data interchange technology.
Interior: Automated Land Management Records System	33	35	19	Serve current and future citizens.	Improves the quality of, and access to, land, resources, and title information for public land managers and adjacent land owners.
<i>Development, Modernization and Enhancement</i>	<i>21</i>	<i>17</i>	<i>5</i>		
<i>Steady State</i>	<i>12</i>	<i>18</i>	<i>14</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Interior: Trust Fund Accounting System	6.8	9.7	14.9	Ensure proper and efficient discharge of the Secretary's Trust Fund responsibilities to Indian Tribes and individual Indians	Meets trust responsibility to American Indians by: Properly accounting for and investing all trust fund monies; preparing accurate and timely reports to all account holders concerning funds distribution; maintaining complete, accurate and timely data regarding funds disbursements to Individual Indian Money (IIM) account holders; and maximizing service delivery.
<i>Development, Modernization and Enhancement</i>	<i>6.8</i>	<i>9.7</i>	<i>16.4</i>		
<i>Steady State</i>	0	<i>0</i>	<i>0</i>		
Interior: Trust Asset Accounting and Management System (TAAMS)	3.3	2.4	15.3	Ensure proper and efficient discharge of the Secretary's Trust Assets responsibilities to Indian Tribes and individual Indians.	Meets responsibility to American Indians by: Properly accounting for all trust assets—land, resources, ownership. preparing accurate and timely reports to tribes and individual Native Americans concerning land ownership and resources management; and providing timely data regarding ownership and lease of Indian lands.
<i>Development, Modernization and Enhancement</i>	<i>3.3</i>	<i>2.4</i>	<i>15.3</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Interior: Royalty Management Program Re-engineering (RMP)	1	5	15	Provide timely, accurate, and cost—effective mineral royalty collection and disbursement services.	Ensures that all revenues from Federal and Indian oil and gas leases are accurately collected, accounted for, verified and disbursed in a timely manner back to the Office of the Special Trustee. Improves the oil companies compliance with lease terms, regulations, and laws.
<i>Development, Modernization and Enhancement</i>	<i>1</i>	<i>5</i>	<i>15</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Justice: Integrated Automated Fingerprinting Identification System	98	65	27	Assistance to Tribal, State, and Local law enforcement agencies	Allows the FBI to process routine identification requests in 24 hours and urgent requests in two hours.
<i>Development, Modernization and Enhancement</i>	<i>91</i>	<i>61</i>	<i>0</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
<i>Steady State</i>	7	4	27		
Justice: National Criminal Information Center 2000	17	19	8	Assistance to Tribal, State, and Local law enforcement agencies	Provides law enforcement agencies across the country real-time access to sophisticated databases on criminals and criminal activity.
<i>Development, Modernization and Enhancement</i>	17	19	0		
<i>Steady State</i>	0	0	8		
Justice: Information Sharing.	5	62	65	Investigation and Prosecution of Criminal Offenses	Promotes sharing of investigative data across the FBI.
<i>Development, Modernization and Enhancement</i>	5	62	59		
<i>Steady State</i>	0	0	6		
Labor: ERISA Filing Acceptance System.	11	9	6		Increases the speed, accuracy, and integrity of information that three agencies use to safeguard private pensions and health care.
<i>Development, Modernization and Enhancement</i>	11	9	0		
<i>Steady State</i>	0	0	6		
State: Diplomatic and Consular Systems Modernization.	259.6	290	236	Support embassies worldwide	Improves delivery and management of information required by diplomatic and consular officers overseas to support the Nation's foreign policy goals and ensure U.S. border security.
<i>Development, Modernization and Enhancement</i>	181.6	207	148		
<i>Steady State</i>	78	83	88		
Transportation: Display System Replacement ⁵	207	179	121.6	Safety	Reduce the rate of operational errors and pilot deviations in 1999 from the 1994 base line. By 2007, reduce the number of fatal aviation accidents per 100,000 departures by 80%.
<i>Development, Modernization and Enhancement</i>	203.3	173.6	85.7		
<i>Steady State</i>	3.7	5.4	35.9		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Transportation: Standard Terminal Automation Replacement System	128.3	201.3	194.3	Mobility	Increase system capacity attributable to airport infrastructure at the 50 busiest airports by .5% annually over the 1998 baseline.
<i>Development, Modernization and Enhancement</i>	<i>127.1</i>	<i>199.2</i>	<i>188.9</i>		
<i>Steady State</i>	<i>1.2</i>	<i>2.1</i>	<i>5.4</i>		
Transportation: Wide Area Augmentation System	147.6	96.9	116.5	Safety/Mobility	Reduce the rate of operational errors and pilot deviations in 1999 from the 1994 base line. By 2007, reduce the number of fatal aviation accidents per 100,000 departures by 80%. Increase the number of landing approaches using GPS technology by 500.
<i>Development, Modernization and Enhancement</i>	<i>146.7</i>	<i>95.7</i>	<i>114.4</i>		
<i>Steady State</i>	<i>.9</i>	<i>1.2</i>	<i>2.1</i>		
Treasury: Information Technology Investments	295	211	⁶ 0	Modernize IRS IT to increase timeliness and accuracy of processing.	Provides advanced funding for redesign of tax administration systems and operations, improving the timeliness and quality of taxpayer data, and thereby significantly enhancing customer service and collection activities. Increases automated calls answered from 16 million to 30 million.
Treasury: Treasury Communications System	221	239	200	Supports all mission areas	Provides secure data transmission and information services worldwide for Treasury bureaus.
<i>Development, Modernization and Enhancement</i>	<i>0</i>	<i>0</i>	<i>0</i>		
<i>Steady State</i>	<i>221</i>	<i>239</i>	<i>200</i>		
Treasury: Automated Commercial Environment	15	8	⁷ 0	Trade compliance	Supports business process redesign, systems architecture, development, and implementation for systems to replace Custom's Automated commercial systems.
<i>Development, Modernization and Enhancement</i>	<i>15</i>	<i>8</i>	<i>0</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
Veterans Affairs: VA Medical Enrollment System	16	10	13	Medical	Allows automation of veterans' eligibility status and tracking of veteran demographics.
<i>Development, Modernization and Enhancement</i>	<i>3</i>	<i>10</i>	<i>1</i>		
<i>Steady State</i>	<i>13</i>	<i>0</i>	<i>12</i>		
Veterans Affairs: VISTA Clinical Medical Data System	293	305	351	Medical	Supports day-to-day computer operations at local healthcare facilities.
<i>Development, Modernization and Enhancement</i>	<i>117</i>	<i>122</i>	<i>140</i>		
<i>Steady State</i>	<i>176</i>	<i>183</i>	<i>211</i>		
Environmental Protection Agency: Toxic Release Inventory System	8	8	8	The Public's Right to Know	Helps to improve the environment by maintaining data related to certain toxic chemical uses. The data are available to EPA staff, State and local governments, educational institutions, industry, environmental and public interest groups, and the general public. This allows for search requests to be fulfilled within 48 hours 95 percent of the time.
<i>Development, Modernization and Enhancement</i>	<i>0</i>	<i>0</i>	<i>0</i>		
<i>Steady State</i>	<i>8</i>	<i>8</i>	<i>8</i>		
National Aeronautics and Space Administration: Earth Observing System Data Information System	206.6	206.2	186.8	Earth Science	Supports spacecraft control, science data processing, and Earth science data management, archiving, and distribution of data which is growing at a rate of 2100 gigabytes per day. The spaceflight missions and instruments will map the Earth and support detailed studies of geophysical processes.
<i>Development, Modernization and Enhancement</i>	<i>134.3</i>	<i>129.9</i>	<i>104.6</i>		
<i>Steady State</i>	<i>72.3</i>	<i>76.3</i>	<i>82.2</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
General Services Administration: FTS2001 Program	10	9	0	Promote Responsible Asset Management and Excel at Customer Service. Meet U.S. Government Telecommunications needs into the 21st Century.	Beginning in 1999, this program will offer the Federal Government low-cost, state-of-the-art, integrated voice, data, and long-distance telecommunications. Replaces the FTS2000 contracts for similar services that expired in 1998. GSA expects to significantly increase the savings we've realized under FTS2000, which has the best prices in the business.
<i>Development, Modernization and Enhancement</i>	<i>0</i>	<i>0</i>	<i>0</i>		
<i>Steady State</i>	<i>10</i>	<i>9</i>	<i>0</i>		
General Services Administration:Pegasys (CFO Financial Management System)	7	9	0	Promote Responsible Asset Management, Excel at Customer Service, Anticipate future workforce needs.	Pegasys will replace the old GSA Financial Management System and its subsystems with an agencywide integrated financial management system.
<i>Development, Modernization and Enhancement</i>	<i>7</i>	<i>9</i>	<i>0</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>0</i>		
Nuclear Regulatory Commission: Agency Document Access and Management System	7	3.7	2.2	Management and Support	Implements workprocess improvement review and increases staff efficiency through improved information access and elimination of redundant data entry. Reduces maintenance costs by replacing aging legacy hardware and minimizing custom software.
<i>Development, Modernization and Enhancement</i>	<i>7</i>	<i>3.7</i>	<i>0</i>		
<i>Steady State</i>	<i>0</i>	<i>0</i>	<i>2.2</i>		
Nuclear Regulatory Commission: Reactor Program System	1.4	1	1.1	Nuclear Reactor Safety	Provides comprehensive, timely and accurate integration of inspection, licensing and other reactor regulation information, and the associated analytical capability to more effectively evaluate reactor program oversight and plant performance. Provides higher levels of efficiency and reduced longer-term costs by replacing ten legacy systems.
<i>Development, Modernization and Enhancement</i>	<i>1.1</i>	<i>.6</i>	<i>.7</i>		

Table 22–1. IT Performance Table—Continued

(Budget Authority, in Millions of Dollars)

Agency: Program or Project	1998 Actual	1999 Estimate	2000 Proposed	Mission Area of Agency Strategic Plan that is Supported by this Investment ¹	Program Performance Benefits
<i>Steady State</i>	.3	.4	.4		
US Agency for International Development: IT Infrastructure and Office Automation	58.3	36.7	42.3	Support all AID mission areas	Supports world-wide bilateral development by expanding technical and managerial capacities.
<i>Development, Modernization and Enhancement</i>	5.9	1.4	0		
<i>Steady State</i>	52.4	35.3	42.3		
Interagency: Land Mobile Radio Narrowbanding⁸	0	130	149.1	Meet wireless communication needs of Federal Public Safety Community	Allows a 50-percent increase in number of radios that can operate in current spectrum, promoting interoperability among users.

¹ Mission areas should be consistent with the major functions and operations identified in the agency's strategy and annual performance plans.

² Development, Modernization, and Enhancement Costs include program costs for new systems, changes or modifications to existing systems that improve capability or performance, changes mandated by the Congress or agency leadership, personnel costs for project management, and direct support.

³ Steady State Costs include the costs of maintenance and operations at current capability and performance levels including costs for personnel, maintenance of existing information systems, corrective software maintenance, voice and data communications maintenance, and replacement of broken IT equipment.

⁴ User Fees from the Prescription Drug User Fee act account for the majority of dollars in each of the three years: FY 1998 User Fees \$16.3 million and BA of \$8.6 million, FY 1999 user Fees of \$23.5 million and BA of \$9.5 million, FY 2000 User Fees of \$23.5 million and BA of \$9.6 million.

⁵ The expenditure for the FAA Air Traffic Control system Modernization for 1999 is approximately \$1,342 million, of which \$700 million is spent on radars, facilities construction and improvements, safety upgrades, and security measures. The system listed under Transportation in this table represent the three largest IT acquisitions related to the system modernization.

⁶ FY 1998 and FY 1999 resources will cover program levels through FY 2000. The Administration is seeking an advanced appropriation of \$325 million for FY 2001.

⁷ The Administration is seeking an advanced appropriation of \$163 million for FY 2001.

⁸ Funds identified from Departments of Justice, Treasury, Transportation, and Interior.